



QSA SERIES

Models 200/300/400 | Active Speakers

quest[™]
engineering

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Built tough for pros, yet affordable. This sums up the philosophy behind the QSA Series loudspeakers. QSA's are built to work hard for professionals.

By 'professional', we mean Rental Companies, Disco Installers, Corporate A/V, Pro Musicians and Mobile DJ's who are going to drive gear hard. Durable does not have to mean expensive. Loudspeaker components, on board electronics and cased materials are designed by Quest's engineers to be both tough and sonically first-class. Clever modern manufacturing methods deliver an outstanding product that will not "blow" your budget.

Power for all occasions

The QSA Series is a line of compact plastic injection moulded powered speaker systems starting from a super compact 8" through to high out put 12" and 15" models.

The latest in design and manufacturing technology delivers a robust and reliable powered system that is cost effective, while maintaining good sonic integrity. A close technical inspection reveals the QSA range contains a number of unique design features, normally restricted to expensive top of the market powered systems.

The design philosophy behind the QSA range addresses the area where most mid market powered speakers are compromised; that is, the quality of individual parts. Many powered boxes are vulnerable to reliability, thermal and physical fragility problems. This is as a result of attempts to reduce weight and cost. A system is only as good as the weakest parts. Quest's designers have addressed these issues without adding excessive weight or cost.

Heavy duty equals reliability

The QSA range is assembled around a foundation of very heavy duty speaker components, high headroom studio quality pre amps, a power amplifier stage based on Class "H" fully discrete* design, and all protected by a system controller as an added bonus. As a result, Quest Engineering can offer a transferable warrantee for up to 5 years. (Conditions apply)

Professional Needs

No pushing the wrong button here. Two separate high and low gain XLR inputs (+4 and - 20 dB), can be controlled through their own independent volume controls. The microphone input has enough headroom to handle a line level if two line inputs are required. A fully buffered* line level mix output provides ultra flexible system patching, from two boxes, to large distributed systems.

An impressive array of status lights show signal presence on all inputs, input overload, and output stage overload/limiter function. A faulty microphone lead or too low/high line level becomes immediately apparent.

Real Power Amplifiers

Amplification, is a fully discrete bi-polar* 300+ watt bi amp split rail. Construction allows for easy service and large oversize heat sinks mean the boxes can be flown or operated from any angle without risk of thermal difficulties or degrading amplifier performance. All electronics are assembled with corrosion resistant connections and fittings designed to withstand continuous vibration and have at least 20% tolerance over industry standards. The QSA range is equally at home as a foldback monitor or front of house.

A Hard Case

It is not enough to just have heavy duty components; the impact resistant injection moulded case contains considerably more plastic to brace it through all the hard knocks it will get in

the pro audio environment. The rigid construction also protects against the other box builders enemy, resonance and vibration.

A Multi Purpose Package

Features against features, the QSA range is a most versatile package, for any Audio/Visual, DJ/Band, PA contractor, personal instrument monitor and Audio Rental application. The list is long because the design team at Quest Engineering are not just ivory tower designers, they have spent years in audio doing the same jobs you do, and now build products to make those jobs easier.

Make It Your Quest

You don't have to blow your budget either because Quest Engineering has worked hard to bring you the QSA range at a great "bang for buck" price.



Optional protective grill



Features

- 1. Broadcast quality preamplifier**
High slew low noise chips are the starting point in the signal path. The extended headroom capability of the input mixing stage is monitored by a sophisticated dynamics controller
- 2. Heavy duty components**
Extra heavy duty woofer will handle full power over long durations. Deep three inch, long throw voice coil will handle punishment while still delivering vocal intelligibility to both DJ's and live music all night long.
- 3. No compromise amplifiers**
The split rail bi-polar discrete amplifiers are powerful and service friendly. Generous suitably placed heat sinks will keep the output stage cool regardless of box array geometry. Whether on it's back as a fold back monitor or flown at extreme angles, heat can dissipate effectively so thermal problems are a thing of the past.
- 4. Line in**
Studio quality preamp normally associated with expensive broadcast consoles. Inputs calibrated to accommodate pro standard +4dB line level without distorting.
- 5. Separate mic input (XLR input)**
High headroom input allows 15 dB more input level than most other powered boxes without distortion or loss of dynamics.
- 6. Fixed level buffered line out**
This flexible function allows numerous boxes to be parallel connected without presenting unacceptable impedances to the signal source.
- 7. Master volume**
Master can control an individual box out put when connected in a parallel multi box system
- 8. Signal presence indicators**
Indicate input level and confirm the presence of input signal. You will never be fooled by a faulty lead.
- 9. Input distortion indicators**
These pre fader indicators will help you match the signal level to the correct input.



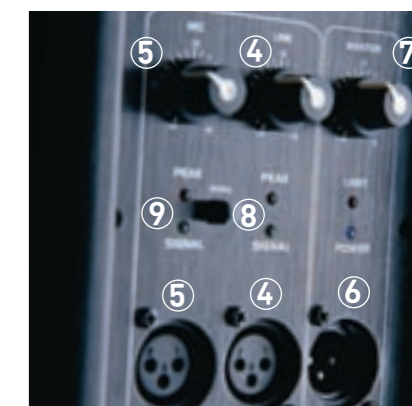
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Accessories QS/QSA | Carry Bag/Pole Mount



Products pictured: Carry Bag - QB500 / Pole Mount - QSSAL

QSA Series Specifications*

	QSA 200	QSA 300	QSA 400
Frequency Range -3dB	70 - 20K Hz	60 - 20K Hz	45 - 20K Hz
HF Coverage Angle	90 x 45 Deg rotatable flare	90 x 60 Deg	90 x 50 Deg
Max SPL	123 dB (peak)	127 dB (peak)	129 dB (peak)
Amplifier Power	HF 40 Watts LF 130 Watts	HF 60 Watts LF 240 Watts	HF 60 Watts LF 240 Watts
Transducer	1x 3/4" Compression driver 1 x 8" Long coil bass driver	HF 1 x 1" Titanium compression driver LF 1 x 3" Coil 12" bass driver	1 x 1" Compression driver LF 1 x 15" bass driver
Enclosure	Injection molded plastic	Injection molded plastic	Injection molded plastic
Protective Grill	Perforated steel	Perforated steel	Perforated steel
Input Connections	XLR in/out	XLR in/out	XLR in/out
Dimensions	300 x 430 x 260mm	430 x 310 x 570mm	450 x 360 x 690mm
Net Weight	13.5 Kg	25.5 Kg	27.5 Kg
Installation Options	Wall bracket/ floor stand/ pole adaptor	Wall bracket/ floor stand/ pole mount	Wall bracket/ floor stand/ pole mount

Limited Warranty

Quest loudspeakers and electronics are covered against defects in workmanship or materials for a period of three years from the original date of purchase. Warranty does not apply to cosmetic appearance and any items which have failed due to modifications, abuse, accidents, or any type of misuse. As part of a policy of continual improvement, Quest Engineering reserves the right to change specifications without notice.

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*Quest Engineering reserves the right to make changes in specifications, or products without prior notice.